File 15:ABI/Inform(R) 1971-2001/May 03
(c) 2001 Bell & Howell
File 98:General Sci Abs/Full-Text 1984-2001/Mar
(c) 2001 The HW Wilson Co.
File 674:Computer News Fulltext 1989-2001/Apr W3
(c) 2001 IDG Communications
File 624:McGraw-Hill Publications 1985-2001/May 01
(c) 2001 McGraw-Hill Co. Inc
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 612:Japan Economic Newswire(TM) 1984-2001/May 03
(c) 2001 Kyodo News
File 635:Business Dateline(R) 1985-2001/May 03
(c) 2001 Bell & Howell
File 484:Periodical Abstracts Plustext 1986-2001/Apr W5
(c) 2001 Bell & Howell
File 647:CMP Computer Fulltext 1988-2001/Apr W5
(c) 2001 CMP

| Set | Items | Description |
|---|---|---|
| S1 | 9604 | VOCODER OR VODER OR (VOICE? OR SPEECH)(3N)(SYNTHE? OR RESYNTH? OR CODE? ? OR CODING OR DECOD??? OR ENCOD???) OR (SOUND? OR VERBAL OR VOCAL? OR SING? OR WORD? ?)(3N)(SYNTHE? OR RESYNTHE?) |
| S2 | 136282 | VECTOR? OR DSP OR DSPS OR SIGNAL? ?(1N)PROCESS???? OR MATRIX? OR MATRICES OR ARRAY?(1W)PROCESS??? |
| S3 | 174460 | SCALAR? OR PROTOCOL? |
| S4 | 69051 | MULTIPROCESS? OR (MULTI OR MULTIPLE OR MANY OR SEVERAL OR PLURAL? OR NUMEROUS OR MORE(1W)ONE OR THREE)(4W)(PROCESS???? OR MICROPROCESS????) |
| S5 | 112683 | (CELL OR CELLULAR OR MOBILE OR PORTABLE OR WIRELESS OR HANDHELD OR HAND()HELD OR CORDLESS OR RADIO OR WITHOUT(2W)(CORD? ? OR WIRE OR WIRES))(5W)(TELEPHONE? OR PHONE OR PHONES) OR RADIOPHONE? OR RADIOTELEPHONE? |
| S6 | 0 | S1(S)S2(S)S3(S)S4(S)S5 |
| S7 | 30 | S5(S)S4(S)(S1 OR S2 OR S3) |
| S8 | 7 | S7 NOT PY=(1998:2001 OR 1995:1997) |
| S9 | 3 | S8 NOT PY=(1992:1994) |
| S10 | 3 | S9 NOT PD=19910627:19911231 |
| S11 | 2 | RD (unique items) |
| S12 | 8 | TEXAS()INSTRUMENT?(S)(S5(S)S4 OR PROTOCOL?(2N)PROCESS???) |
| S13 | 6 | S12 NOT PY=(1995:1997 OR 1998:2001) |
| S14 | 4 | S13 NOT PY=1992:1994 |
| S15 | 4 | S14 NOT PD=19910627:19911231 |
| S16 | 2 | RD (unique items) |

**11/3,K/1 (Item 1 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)


00533003 91-07347
**Dialing a Phone by Voice**
Pawate, Basavaraj I.; Ehlig, Peter
Machine Design v63n1 PP: 95-98 Jan 10, 1991
ISSN: 0024-9114 JRNL CODE: MDS

...ABSTRACT: become widely accepted in the 1990s. One application of this technology receiving a great deal of attention today is a speech recognition voice dialer for **cellular telephones** used in automobiles. The voice dialer can have a vocabulary of 25 or more words, depending on memory size, and requires only one digital **signal processor** (**DSP** ). A speech recognition algorithm known as continuous density Hidden Markov Modeling (HMM) is employed by the system. Integrated **cellular telephones** can use the same **DSP** to control other functions, such as vehicle entertainment equipment, climate, and windshield wipers. By collecting speech samples from 200 American speakers, statistical models for each...

... repertory of voice information is archived in a speech database. In the present voice dialer, all needed voice recognition functions are performed by a single **DSP** . However, experimental versions of a **multiprocessor DSP** architecture for more complex applications have already been made. ...

**11/3,K/2 (Item 1 from file: 647)**
DIALOG(R)File 647:CMP Computer Fulltext


00558206 CMP ACCESSION NUMBER: EET19900507S1774
**DSP chip sets get the call**
KATHY ROGERS
ELECTRONIC ENGINEERING TIMES, 1990, n 589, 74
PUBLICATION DATE: 900507
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: DES
WORD COUNT: 510

TEXT:
Emeryville, Calif. - **Three** new digital **signal processing** (**DSP** ) chip sets ease the task of designing analog **cellular telephones** with high integration and bundled software. The **DSP** Group Inc. shoehorned much of the circuitry and utility software needed to provide analog audio, wideband data and supervisory audio tone (SAT) processing into three...

**16/3,K/1 (Item 1 from file: 624)**
DIALOG(R)File 624:McGraw-Hill Publications


0106712
**THE TOKEN RING : Our newest column takes a hard look at the nuts and bolts of current technology**
; Pg 363; Vol. 14, No. 1
Section Heading: Hands On
Word Count: 3,890 *Full text available in Formats 5, 7 and 9*

BYLINE:
Brett Glass

TEXT:
... two Ring Interface chips (TMS38051/52) contain the analog components to interface to the ring. The Protocol Handler (TMS38020/21) manages the bit-level ring **protocols** .

The Communications **Processor** (TMS38010) contains a 16-bit microprocessor and 2.75K bytes of RAM; it executes firmware (co-developed by **Texas Instruments** and IBM) from a ROM in the Protocol Handler. The System Interface (TMS38030) connects the whole package to a Motorola or an Intel microprocessor bus...

**16/3,K/2 (Item 1 from file: 647)**
DIALOG(R)File 647:CMP Computer Fulltext


00588033 CMP ACCESSION NUMBER: EET19910520S0919
**Tek debuts PEX terminal**
LORING WIRBEL
ELECTRONIC ENGINEERING TIMES, 1991, n 642, 64
PUBLICATION DATE: 910520
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Design: Computers & Software
WORD COUNT: 316

TEXT:
... a trio of microprocessors to work. The XP29P terminal, compatible with the current PEX5R1 release from MIT, uses a 68030 from Motorola Inc. for network **protocol processing** and a 34020 graphics processor and 34082 floating-point unit from **Texas Instruments** Inc. to handle graphics and imaging.
?

File 256:SoftBase:Reviews,Companies&Prods. 85-2001/Mar
(c)2001 Info.Sources Inc
File 278:Microcomputer Software Guide 2001/Apr
(c) 2001 Reed Elsevier Inc.

| Set | Items | Description |
|---|---|---|
| S1 | 232 | VOCODER OR VODER OR (VOICE? OR SPEECH)(3N)(SYNTHE? OR RESYNTH? OR CODE? ? OR CODING OR DECOD??? OR ENCOD???) OR (SOUND? OR VERBAL OR VOCAL? OR SING? OR WORD? ?)(3N)(SYNTHE? OR RESYNTHE?) |
| S2 | 1746 | VECTOR? OR DSP OR DSPS OR SIGNAL? ?(1N)PROCESS???? OR MATRIX? OR MATRICES OR ARRAY?(1W)PROCESS??? |
| S3 | 5186 | SCALAR? OR PROTOCOL? |
| S4 | 1188 | MULTIPROCESS? OR (MULTI OR MULTIPLE OR MANY OR SEVERAL OR PLURAL? OR NUMEROUS OR MORE(1W)ONE OR THREE)(4W)(PROCESS???? OR MICROPROCESS????) |
| S5 | 435 | (CELL OR CELLULAR OR MOBILE OR PORTABLE OR WIRELESS OR HANDHELD OR HAND()HELD OR CORDLESS OR RADIO OR WITHOUT(2W)(CORD? ? OR WIRE OR WIRES))(5W)(TELEPHONE? OR PHONE OR PHONES) OR RADIOPHONE? OR RADIOTELEPHONE? |
| S6 | 0 | S5 AND S4 AND S1 AND S2 AND S3 |
| S7 | 0 | S5 AND S4 AND (S1 OR S2 OR S3) |